SONY

2-683-363-**13** (1)

D-VE7000S

Operating Instructions

DVD Walkman

Portable DVD/CD Player

Owner's Record

The model number is located on the bottom. The serial number is located on the rear of the disc compartment lid. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. D-VE7000S

Serial No.

© 2006 Sony Corporation

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To reduce the risk of fire, do not cover the ventilation of the apparatus with newspapers, tablecloths, curtains, etc. And do not place lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not place objects filled with liquids, such as vases, on the apparatus.

CAUTION

The use of optical instruments (for example, eye loupes) with this product within a distance of 100 mm may increase eye hazard.
As the laser beam used in this DVD/CD player is harmful to eyes, do not attempt to disassemble the cabinet.
Refer servicing to qualified personnel only.

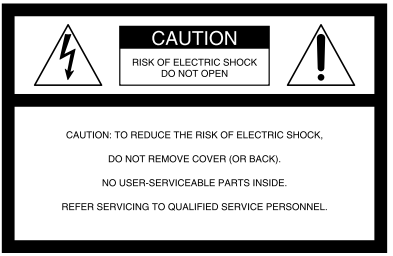
Certain countries may regulate disposal of the battery used to power this product. Please consult with your local authority.

CLASS 1
LASER PRODUCT

CAUTION

- CLASS 1M VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN
- DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS

The validity of the CE marking is restricted to only those countries where it is legally enforced, mainly in the countries EEA (European Economic Area).


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Important Safety Instructions

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Product registration

Please register this product on line at www.sony.com/walkmanreg
<http://www.sony.com/walkmanreg>

Proper registration will enable us to send you periodic mailings about software upgrades, new products, services and other important announcements. Thank you.

About this Manual

- Instructions in this manual describe how to use the player mainly by using the controls on the player. You can operate in the same way by using the button of the same or similar name on the supplied remote. Some operations that require the remote are clearly mentioned in the text.
- "DVD" may be used as a general term for DVD VIDEOs, DVD-Rs/DVD+Rs and DVD-RWs/DVD+RWs.
- The icons below are used in this manual:

Icon	Meaning
DVD	Functions available for DVD VIDEOs, DVD-Rs/DVD+Rs or DVD-RWs/DVD+RWs in video mode, or for DVD-RWs/DVD+RWs in VR (Video Recording) mode
VCD	Functions available for Video CDs or CD-Rs/CD-RWs in Video CD format
CD	Functions available for music CDs or CD-Rs/CD-RWs in music CD format
MP3	Functions available for files in MP3 format stored on CD-ROMs/CD-Rs/CD-RWs, DVD-Rs/DVD+Rs or DVD-RWs/DVD+RWs
JPEG	Functions available for files in JPEG format stored on CD-ROMs/CD-Rs/CD-RWs, DVD-Rs/DVD+Rs or DVD-RWs/DVD+RWs

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About trademarks

"WALKMAN", WALKMAN, and WALKMAN are registered trademarks of Sony Corporation.

Precautions

On safety

- This set is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the set itself has been turned off.
- Completely disconnect the power cord (mains lead) from the wall socket if the unit is not going to be used for an extended period of time. When unplugging the unit, always grip the plug. Never pull the cord itself.
- Should any solid objects or liquid fall into the player, unplug the player and have it checked by qualified personnel before operating it any further.
- Do not put any foreign objects in the DC IN 12 V (external power input) jack.

On temperature increases

- Heat may build up inside the player during charging or if it is being used for a long time. This is not a malfunction.
- Do not put the player in the carrying pouch when it is operating.

On handling the player

- Keep the lens on the player clean and do not touch it. If you do so, the lens may be damaged and the player will not operate properly. Leave the disc compartment lid closed except when you insert or remove discs.
- Do not expose the player to mechanical shock, such as by dropping or compressing the player. Do not put any heavy object on top of the player. The player and the disc may be damaged.
- Do not leave the player in a location:
  – near heat sources
  – in a place subject to direct sunlight, excessive dust or sand, moisture, rain, mechanical shock
  – on an uneven surface
  – in a car with its windows closed
  – near equipment utilizing strong magnetism such as a microwave oven or megavolume speakers
- If the player causes interference to radio or television reception, turn off the player or move it away from the radio or television.

Moisture condensation

If the player is brought directly from a cold to a warm location, or is placed in a very damp place, moisture may condense on the lenses of the player. Moisture condensation may not only cause the player to malfunction, but also damage the disc and the parts of the player. Therefore, remove the disc when you are not using the player.
When moisture condensation occurs, remove the disc and leave the player for a few hours until the moisture evaporates. If the player does not operate properly after a few hours, consult your Sony dealer.

On handling the LCD screen

- The LCD is manufactured using high-precision technology. You may, however, see tiny black points and/or bright points (red, blue, green) that continuously appear on the LCD. This is a normal result of the manufacturing process and does not indicate a malfunction.
- Do not wipe the LCD with a wet cloth. Liquid may seep into the LCD and cause a malfunction.
- Do not put or drop anything on top of the LCD. Do not exert pressure on the LCD with your hand or elbow.
- If the player is brought directly from a cold to a warm location, moisture may condense on the LCD. Should this occur, wipe the condensation off thoroughly before using the player again. Sheets of tissue paper are recommended. When the LCD is cold, and moisture condenses again even after wiping it away, wait until the LCD surface becomes as warm as the room temperature.

On the rechargeable battery

- When the battery life of a fully charged rechargeable battery becomes about half the normal life, the battery needs to be replaced with a new one. Consult your nearest Sony dealer. (You must not replace the battery by yourself.)
- **CAUTION**: The battery used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100 ºC (212 ºF) or incinerate. Use of another battery may present a risk of fire or explosion.
- Dispose of used battery according to the regulation of recycling or waste.
- Keep away from children.
- Do not disassemble and do not dispose of the battery in fire.

On charging

- The charging time will vary according to the condition under which the battery is used.
- Because of the battery characteristics, the capacity of the rechargeable battery may be smaller than normal when it is used for the first time or after a long period of disuse. In this case, charge and discharge the battery several times. The normal battery life will be restored.

On the speaker cradle

Do not place coins or other metallic objects on the cradle. If the terminal on the cradle accidentally comes into contact with a metallic object, it may short-circuit and begin to heat up.

On the headphones

- If the supplied headphones cause any skin trouble, immediately stop using them and consult a doctor.
- Sound will leak from the supplied headphones if you turn up the volume too high. Keep the volume at a moderate level so that you do not disturb other people around you and you can hear when you are being called. Keep this in mind especially in noisy places where one tends to turn up the volume.

■ On adjusting the volume

Do not turn up the volume while listening to a section with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level section is played.

■ Road safety

Do not use headphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in some areas. It can also be potentially dangerous to play your headsets at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.

■ Preventing hearing damage

Avoid using headphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use.

■ Consideration for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to the people around you.

On cleaning

■ Casing

Clean the cabinet, panel, and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine as it may mar the finish of the casing.

■ Headphones plug

Clean the headphones plug periodically so that you can always enjoy good sound.

■ Discs

Do not use commercially available cleaning discs. This may cause a malfunction.

IMPORTANT NOTICE

Caution: This player is capable of holding a still video image or on-screen display image on your television screen indefinitely. If you leave the still video image or on-screen display image displayed on your TV for an extended period of time, you risk permanent damage to your television screen. Projection televisions are especially susceptible to this.

If you have any questions or problems concerning your player, please consult your nearest Sony dealer.

Notes on disposing of the player

This player has a built-in lithium-ion rechargeable battery. When you dispose of the player, be sure to dispose of it properly.
To remove the lithium-ion battery from the player ☞ page 54.

Some countries may regulate disposal of the battery used to power this product. Please consult with your local authority.

Notes

- Never disassemble the player except when disposing of it.
- Be careful when handling internal metallic components of the player. Pay particular attention to component edges.

For the customers in the U.S.A. and Canada

RECYCLING LITHIUM-ION BATTERIES

Lithium-Ion batteries are recyclable.
You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit http://www.rbrc.org/.

Caution:
Do not handle damaged or leaking lithium-ion batteries.

To remove the lithium-ion battery from the player
☞ page 54.

For the customers in the United States

This product contains mercury. Disposal of this product may be regulated if sold in the United States. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance (http://www.eiae.org).

About the Discs This Player can Play

This player can play the following discs.

The logo types listed are trademarks.

DVD

Format of discs	Label
DVD VIDEO	
DVD-R *	
DVD-RW *	
DVD+R*	
DVD+RW*	

* Including MP3/JPEG files
Including VR mode (Some features on the discs recorded in VR mode may not be operated on this player.)

Region code of DVDs this player can play

This player has a region code printed on the bottom of the player and will only play DVDs that are labeled with identical region codes. DVDs labeled ALL will also be played on this player.
Depending on the DVD, the region code indication may not appear even if the DVD is prohibited by area restrictions.

Note on the picture skipping

If a DVD has a crack, dirt, etc., it may be unable to be read or a picture skipping may occur.
Very rarely, playback sound could be skipped due to compatibility with the player.
In this case, take the disc and the player to your nearest Sony dealer.

On the discs recorded with digital surround sound

To make the most of Dolby Digital or DTS recorded discs, an audio component with built-in external surround decoder system must be connected to the digital output of this player. See “Listening from an Audio Component” for more information (☞ page 48).

Note on CPRM compatible discs

This player cannot play “one-time recordable” content recorded on DVD-R/DVD-RW discs compatible with CPRM (Content Protection for Recordable Media) protection technology. CPRM is a copyright protection technology developed for content that allows recording only once.

Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

Continued

Video CD

Format of discs	Label
Video CD	

Note on PBC (Playback Control)

This player conforms to Ver. 1.1 and Ver. 2.0 of Video CD standards. You can enjoy two kinds of playback according to the disc type.

Disc type	You can enjoy
Video CDs without PBC functions (Ver. 1.1 discs)	Video playback (moving pictures) as well as music.
Video CDs with PBC functions (Ver. 2.0 discs)	• Interactive software with menu screens displayed on the monitor (PBC Playback ☞ page 37). • Video playback functions. • High-resolution still pictures if they are included on the disc.

CD

Format of discs	Label
Audio CD	
CD-R*	
CD-RW*	

* Including MP3/JPEG files.

Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

Music discs encoded with copyright protection technologies

This product is designed to play back discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

MP3

This player can play MP3 files.
MP3 (MPEG 1 Audio Layer-3) is a standard technology and format for compressing a sound sequence.

Notes

- When naming, be sure to add the file extension ".mp3" to the file name.
- If you put the extension ".mp3" to a file other than MP3, the player cannot recognize the file properly and will generate random noise that could damage your speakers.
- If an MP3 file recorded in a high bit rate such as 320 kbps is played, sound skipping may occur.
- This player supports versions 1.0 and 2.0 of ID3 tag information of MP3 files. The supported language is English.

JPEG

The JPEG files must have the extension ".jpeg", ".jpg", or ".jpe".

Notes on all types of discs

- This player can play discs recorded in either NTSC or PAL color system. Discs recorded in any other color systems cannot be played on this player.
- Recordable/rewritable discs (CD-R/CD-RW/DVD-R/DVD+R/DVD-RW/DVD+RW) may not play on this player, depending on the equipment used for the recording or the condition of the disc.
- Play finalized discs. (Finalizing is a process necessary for a recorded disc to be played on the DVD/CD player.) Discs that are not finalized may not be played on this player.
- Data CDs (CD-ROM/CD-R/CD-RW) must be recorded conforming to ISO 9660 Level 1/2 and Joliet extension format.
- Data DVDs (DVD-ROM/DVD-R/DVD+R/DVD-RW/DVD+RW) must be recorded conforming to UDF (Universal Disc Format).

Notes

- If you record up to the maximum capacity of the disc, prohibit additional recording on the writing software.
- If you record up to the maximum capacity of a new CD-R/CD-RW in one session, set "Disc at Once" on the writing software.
- The following discs take a longer time to start playback.
  - A disc recorded with complicated tree structure.
  - A disc to which data can be added.

Caution

This player CANNOT play these discs.

- DVD-Audio
- DVD-RAM
- DVD-ROM (the data other than the MP3/JPEG file)
- CD-G
- Super VCD (SVCD)
- CD-I
- Photo-CD
- VSD
- Super Audio CD (SACD)
- CD-Extra (Data)
- Mixed CD (Audio)
- CD-ROM/CD-R/CD-RW/DVD-R/DVD+R/DVD-RW/DVD+RW (the data other than the MP3/JPEG file)

Copyrights

- This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents, other intellectual property rights owned by Macrovision Corporation, and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.
- Manufactured under license from Dolby Laboratories. "Dolby," "Pro Logic," and the double-D symbol are trademarks of Dolby Laboratories.

DOLBY DIGITAL

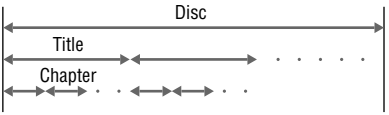
- "DTS" and "DTS 2.0+Digital Out" are trademarks of Digital Theater Systems, Inc.

dts 2.0+DIGITAL OUT

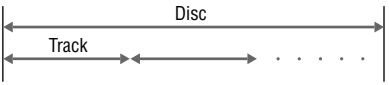
- The copyrights of Korean, European, and Russian fonts used in this player belong to RICOH COMPANY, LTD.

Terms for discs

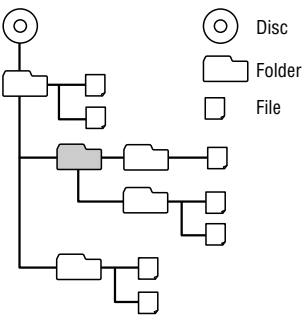
DVD structure



Video CD/Audio CD structure



MP3/JPEG structure



- **Title**

  The longest section of a picture or music feature on a DVD, e.g., a movie for video software, or an album (or a track) for audio software, etc. Each title is assigned a title number enabling you to locate the title you want.

- **Chapter**

  Sections of a picture or a music feature that are smaller than titles. A title is composed of several chapters. Each chapter is assigned a chapter number enabling you to locate the chapter you want. Depending on the disc, chapters may not be recorded.

- **Track**

  Sections of a picture or a music feature on a Video CD/Audio CD. Each track is assigned a track number enabling you to locate the track you want.

- **Scene**

  On a Video CD with PBC (playback control) functions, the menu screens, moving pictures and still pictures are divided into sections called “scenes.” Each scene is assigned a scene number enabling you to locate the scene you want.

- **Folder**

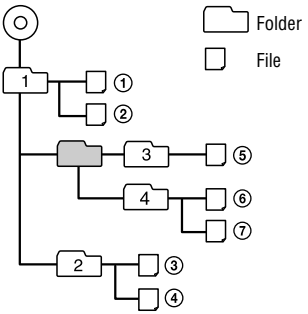
  A folder consists of files, and is equivalent to an album of an audio CD. Each folder has a distinctive name.

- **File**

  A file is a data of a picture or a track of music. Each file has a distinctive name.

Playing order of MP3/JPEG files

The playing order may differ depending on the method used to record the files on the disc. In the following example, files are played in order of ① to ⑦.



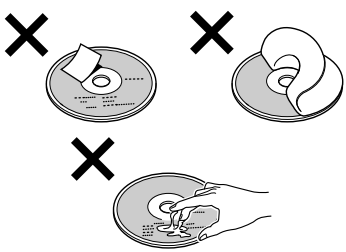
(Maximum directory levels: 8)

Notes on Discs

- To keep the disc clean, do not touch the surface. Handle the disc by its edge.

- Keep your discs in their cases or disc magazines when not in use. Do not subject the discs to heat/high temperature. Avoid leaving them in parked cars or on dashboards/rear trays.

- Do not attach labels, or use discs with sticky ink/residue. Such discs may stop spinning when used, causing a malfunction, or may ruin the disc.



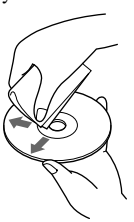
Continued

- Do not use any discs with labels or stickers attached.

  The following malfunctions may result from using such discs:

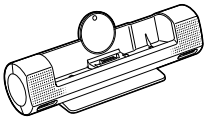
  – Inability to eject a disc (due to a label or sticker peeling off and jamming the eject mechanism).

  – Inability to read data correctly (e.g., playback skipping, or no playback) due to heat shrinking of a sticker or label causing a disc to warp.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this player. Attempting to do so may damage the player. Do not use such discs.
- Before playing, clean the discs with a commercially available cleaning cloth. Wipe each disc from the center out. Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray intended for analog discs.

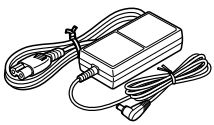


Checking the Supplied Accessories

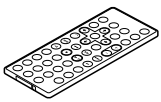
- Speaker cradle (1)



- AC power adaptor (1)

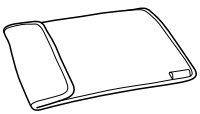


- Remote control (Remote; battery installed) (1)



- Stereo headphones (1)

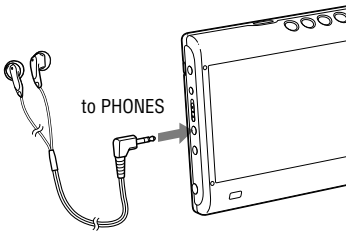
- Carrying pouch (1)



- Operating instructions (1)

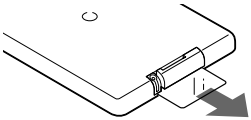
To connect your headphones to the player

Connect the plug of the supplied headphones to PHONES A or B of the player securely. You can connect headphones to PHONES A and B at the same time.



To use the remote

Remove the insulation sheet.

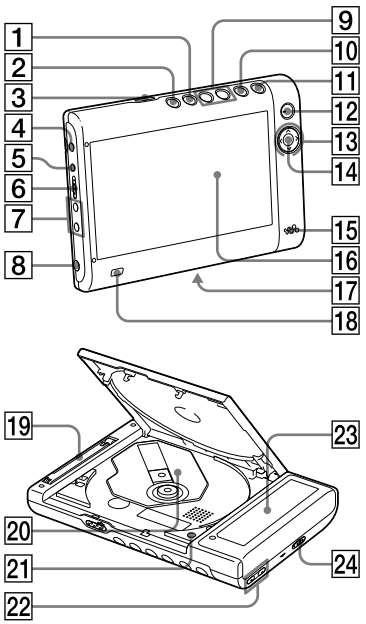


For customers in the US

The AC power adaptor supplied with this unit is not intended to be serviced. Should the AC power adaptor cease to function in its intended manner during the warranty period, the adaptor should be returned to your nearest Sony Service Center or Sony Authorized Repair Center for replacement, or if a problem occurs after the warranty period has expired, the adaptor should be discarded.

Guide to Parts and Controls

DVD/CD player



1 ▶II (play/pause) button* (☞ page 23)

2 ■ (stop) / POWER ON/OFF button (☞ page 21, 24)

3 OPEN switch (☞ page 23)

4 VIDEO jack (☞ page 47, 49)

5 AUDIO/OPTICAL OUT jack (☞ page 47 - 49)

6 LINE SELECT IN/OUT switch (☞ page 23, 47 - 49)

7 PHONES A/B jacks (☞ page 15)

8 DC IN 12V jack (☞ page 20)

9 I◀◀/▶▶I (previous/next) buttons (☞ page 24)

10 TOP MENU button (☞ page 25)

11 MENU button (☞ page 26)

12 LCD MODE/BRT (brightness) button (☞ page 39)

13 Arrow (^/v/</>) buttons (☞ page 21, 40)

14 ENT (enter) button (☞ page 21, 40)
You can display and exit the Setup menu by keeping this buttons pressed. See "Setting the OSD Language and the Clock" (☞ page 21) and "Using the Setup Menu" (☞ page 40) for more information.

15 (operation status) lamp (☞ page 17)

16 LCD screen (☞ page 39)

17 Speaker cradle terminal (☞ page 19)

18 Remote sensor
Aim here to operate the player on the remote.

19 Support (☞ page 17)

20 Disc compartment (☞ page 23)

21 RESET button (☞ page 52)

22 VOL (volume) +*/– buttons (☞ page 23)

23 Rechargeable battery (built-in) (☞ page 19)

24 HOLD switch (☞ page 25)

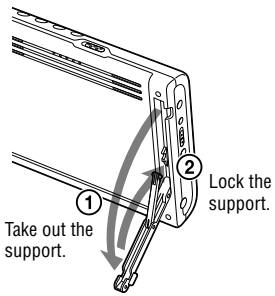
* This button has a tactile dot.

Tip

You can turn on the power by keeping the ■ button pressed. To turn off the power, keep the ■ button pressed until the lamp turns red.

To use the support

The support should be used when you put the player on a flat and stable surface.
If you handle the support forcibly, the support may break.
When you operate the player, hold the player with your hand.

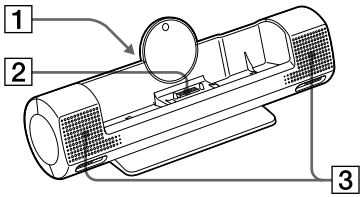


lamp

The lamp indicates the operation status of the player by being lit or flashing.

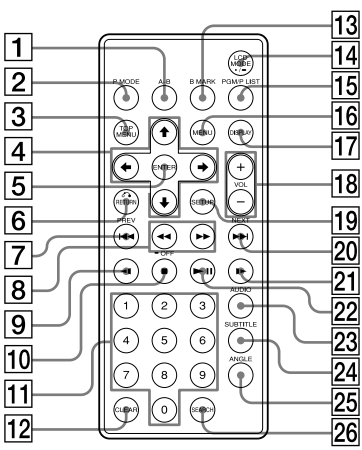
lamp	Operation status
Off	Power off (when operating on the battery)
Lights up in red	Standby or during power-off process
Slow flashing in red	Buttons on the player are operated when the HOLD function is activated.
Fast flashing in red	Battery is weak.
Lights up in green	Normal operation
Flashing in green	Pause
Lights up in orange	Battery charging is under way.
Flashes alternately in red, green, or orange	The player is reading the disc.

Speaker cradle



1 DC IN 12V jack (☞ page 19)
2 Player terminal (☞ page 19, 24)
3 Speakers (☞ page 24)

Remote



1 A-B button (☞ page 32)
2 P MODE (play mode) button (☞ page 31)
3 TOP MENU button (☞ page 25)
4 Arrow (↑/↓/←/→) buttons (☞ page 21, 40)
5 ENTER button (☞ page 21, 40)
6 RETURN button (☞ page 37)
7 ⏮ PREV (previous) button (☞ page 24)

Continued

8 ◀◀/▶▶ (fast playback) buttons (☞ page 24)

9 ◀❙ (slow reverse playback) button (☞ page 24)

10 ■ (stop) /OFF (power off) button (☞ page 24)

11 Number buttons (☞ page 27, 28)

12 CLEAR button (☞ page 33, 34)

13 B MARK (bookmark) button (☞ page 33, 35)

14 LCD MODE button (☞ page 39)

15 PGM/P LIST (program/play list) button (☞ page 33, 34, 35)

16 MENU button (☞ page 26)

17 DISPLAY button (☞ page 37)

18 VOL (volume) +/– buttons (☞ page 23)

19 SETUP button (☞ page 40)

20 ▶▶❙ NEXT button (☞ page 24)

21 ❙▶ (slow playback) button (☞ page 24)

22 ▶❙❙ (play/pause) button* (☞ page 23)

23 AUDIO button (☞ page 36)

24 SUBTITLE button (☞ page 36)

25 ANGLE button (☞ page 36)

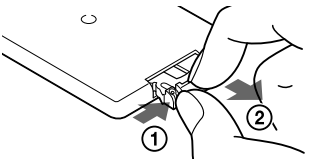
26 SEARCH button (☞ page 27, 28)

* The ▶❙❙ button on the remote works in slightly different way from that on the player. When operating the player on the rechargeable battery, you cannot start playback using ▶❙❙ on the remote unless you turn on the power of the player.

To replace the battery in the remote

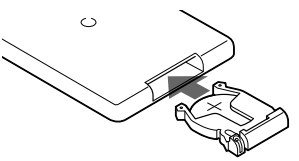
Replace the battery with a new CR2025 lithium battery with correct polarity.

1 While pushing the lock lever ①, pull out the battery holder ②.



2 Remove the old battery.

3 Place the new battery with + side facing up, and insert the battery holder securely to the end.



When to replace the battery

When the battery becomes weak, you may not be able to operate the player by operating the remote. The battery will last for about 1 year in normal operation (the duration may be shorter depending on the condition of use). When the player does not respond to the remote operation at all, replace the battery with new one and operate the player using the remote to make sure that the remote is working correctly.

Preparing a Power Source (Rechargeable Battery)

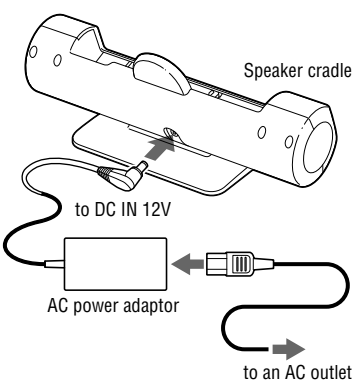
Charge the built-in rechargeable battery before using the player for the first time, or when the battery is depleted.
If you keep the AC power adaptor connected to the speaker cradle, you can charge the battery simply by mounting the player on the speaker cradle.

Notes

- Charging is not performed during playback.
- During charging, the player and the speaker cradle may become warm. This poses no danger.

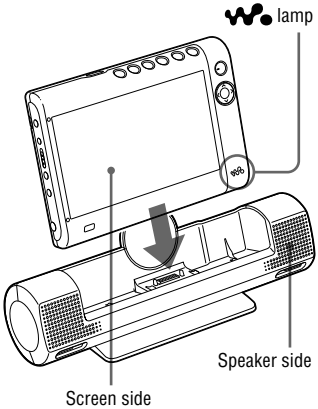
Charging through the speaker cradle

1 Connect the AC power adaptor to the DC IN 12V jack of the speaker cradle and an AC outlet.



2 Mount the player on the speaker cradle.

Charging starts and the lamp flashes in orange first, and then remains lit.



When the battery is completely charged, the lamp turns red.

Charging time

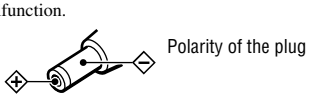
Approximately 3 hours to charge an empty battery up to full capacity.

Note

Mount and dismount the player carefully.

Notes on the AC power adaptor

- Disconnect all power sources when the player is not to be used for a long time.
- Use only the AC power adaptor supplied. Do not use any other AC power adaptor. It may cause a malfunction.

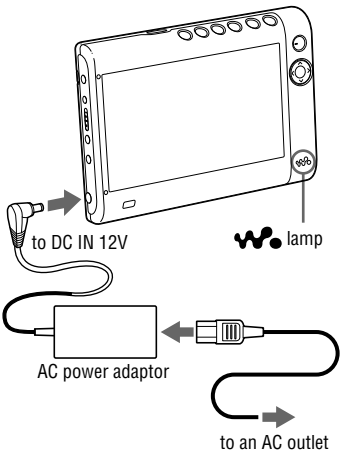


- Do not touch the AC power adaptor with wet hands.
- Connect the AC power adaptor to an easily accessible AC outlet. Should you notice an abnormality in the AC power adaptor, disconnect it from the AC outlet immediately.

Charging directly on the player

1 Connect the AC power adaptor to the player.

Charging starts and the lamp flashes in orange first, and then remains lit.



When the battery is completely charged, the lamp turns red.

Charging time

Approximately 3 hours to charge an empty battery up to full capacity.

Checking the remaining power of the battery

When you press DISPLAY on the remote, the remaining power of the battery is indicated on the screen as shown below (☞ page 37). As the black indicator section decreases, the remaining power is depleted further.

→ → → → → → “LOW BATTERY”

Notes

- The display shows the approximate battery power remaining. One section does not always indicate one-fourth of the battery power.
- Depending on the operating conditions, the display may increase or decrease relative to the actual power remaining.
- The remaining battery indicator appears only when the player is operated on the battery.
- The remaining battery indicator does not appear, while playing JPEG files (☞ page 29), and viewing external input signals (☞ page 49).

Battery life *

- When the battery is fully charged Approximately 3 hours
- If the screen is turned off (☞ page 39) Approximately 7 hours

* Measured value using the JEITA (Japan Electronics and Information Technology Industries Association).
Playing time shown is approximate hours, when you use the player on a flat and stable surface. This value varies depending on how the player is used.

When using the AC power adaptor

Connect the AC power adaptor as shown in "Charging through the speaker cradle" (☞ page 19), or "Charging directly on the player" (☞ page 20).
If you start playback of a disc, charging stops.

Note

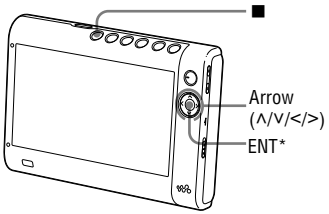
If you disconnect the AC power adaptor plug during playback, the playback stops and the power is turned off, even if the built-in battery has the enough power remaining.

Setting the OSD Language and the Clock

You can choose one from 11 languages.
You can have the current time displayed on the screen:

- for 3 minutes after battery charging has started.
- when ■ or ENT is pressed when the power is off.

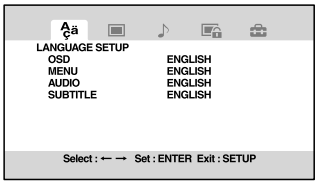
To turn off the time display, press ■, ENT, or ▶II.



* The ENT button works to turn on/off the Setup menu, and to enter the selection while operating the Setup menu.

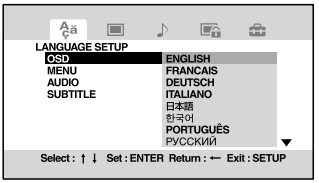
1 Keep ■ pressed to turn on the power.

2 Keep ENT pressed until the Setup menu appears.



Continued

3 **Make sure that Aäç is selected, then press ENT.**



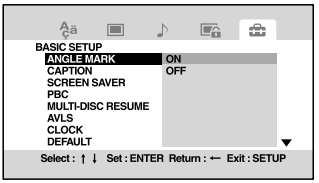
4 **Press ^/v to select [OSD], then press ENT.**

5 **Press ^/v to select the desired language, then press ENT.**

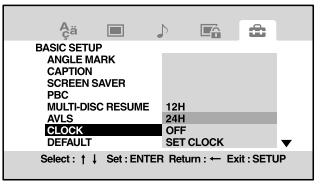
The OSD language changes to the selected language.

6 **Press <.**

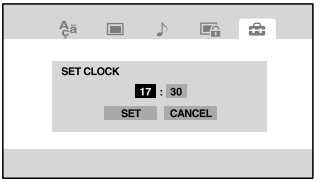
7 **Press > repeatedly to select , then press ENT.**



8 **Press ^/v to select [CLOCK], then press ENT.**

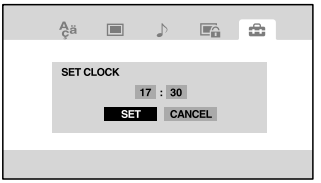


9 **Press ^/v to select [SET CLOCK], then press ENT.**



10 **Set the hour by pressing ^/v, then press >.**

11 **Set the minute by pressing ^/v, then press >.**



12 **Press ENT.**

- To cancel clock setting, press > to select [CANCEL].

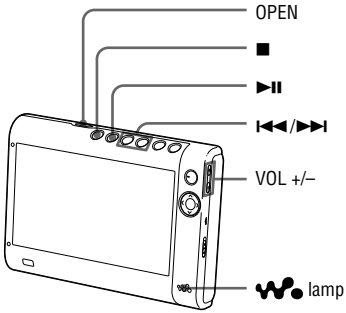
13 **Press ENTER again, press ^/v to select [12H] or [24H], then press ENT.**

12H: 12-hour indication (i.e. 3:20PM)
24H: 24-hour indication (i.e. 15:20)

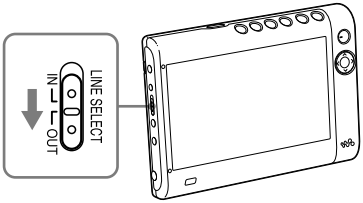
- If you do not want to display the clock, select [OFF].

14 **Keep ENT pressed to exit the Setup menu operation.**

Basic Playback Operations

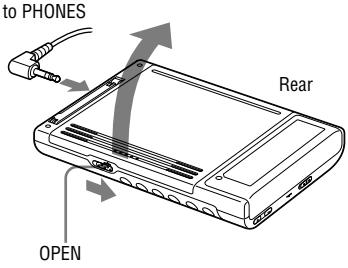


1 Make sure the LINE SELECT switch is set to OUT.

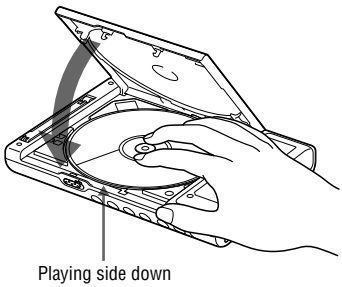


2 Slide the OPEN switch to open the disc compartment lid.

Connect the supplied headphones to PHONES A or B of the player beforehand. You can connect headphones to PHONES A and B at the same time.



3 Place the disc on the tray and close the lid.



Note

When you place the player with the screen side down, place it on something flat and stable to prevent the screen from being damaged.

4 Press ►II.

The player starts playback. The lamp lights up in green.

5 Adjust the volume by pressing VOL +/–.

To	Operation
Pause	Press ▶II. Press ▶II again to resume playback.
Stop	Press ■. If you press ▶II, playback resumes from where the playback stopped, unless the disc was removed from the player (Resume playback function*).
Go to succeeding pictures and tracks	Press ▶▶I.
Go to previous pictures and tracks	Press I◀◀.
Fast forward/Fast reverse	Keep I◀◀ or ▶▶I pressed. Playback speed increases by 2, 4, 8, 16, and 32 times. On the remote, press ◀◀ or ▶▶ repeatedly.
Slow playback DVD VCD	Press I► repeatedly on the remote. Playback speed decreases to 1/2, 1/4, 1/8, or 1/16.
Slow reverse playback DVD	Press ◄I repeatedly on the remote. Playback speed decreases to 1/2, 1/4, 1/8, or 1/16.

* Resume playback function is not available when playing MP3 and JPEG files.

Tip

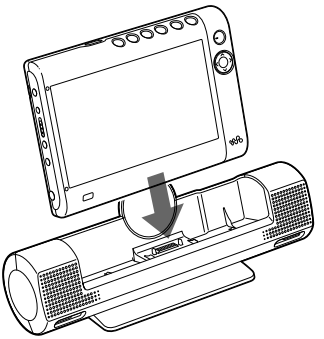
To cancel the resume playback function, press ■ during playback stop.

Note

If ⃠ appears on the screen during operation, it means the operation is prohibited or unavailable with the current disc. Especially, DVDs and Video CDs with PBC functions may have restrictions about the operation. Read the instruction manual supplied with the disc to play with this player.

To listen from the cradle speakers

Mount the player on the speaker cradle.

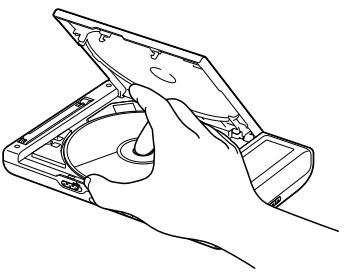


Notes

- If the headphones are connected, no sound will be heard from the cradle speakers.
- Mount and dismount the player carefully.
- If you disconnect the player from the speaker cradle during playback when using the player on the AC power adaptor, the playback stops and the power is turned off, even if the built-in battery has the enough power remaining.

To remove the disc

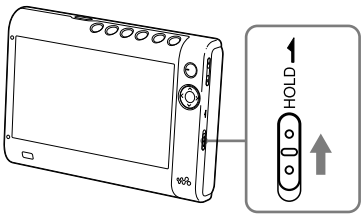
Remove the disc while pressing the pivot at the center of the tray.



Locking the controls (HOLD)

You can prevent accidental button presses while carrying the player by locking the controls. The lamp flashes in red for a while if you press any button when the HOLD function on the player is activated.

1 Slide the HOLD switch in the direction of the arrow.



To unlock the controls

Slide the HOLD switch in the direction opposite to that of the arrow.

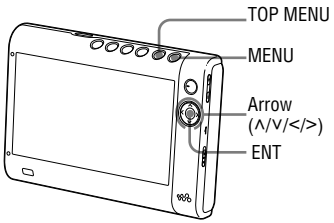
Tip

Even if the HOLD function is working on the player, you can operate the player on the remote.

Playing Movies

Read “Basic Playback Operations” (☞ page 23) beforehand.

Playing DVD



Using the top menu

Some DVDs have more than one title of picture or music feature recorded. Titles are the longest sections of a picture or music feature on a DVD. In the top menu, you can play your favorite scene or song by selecting titles of scenes and songs. The contents of top menus differ depending on the DVD. Read the instruction manual supplied with the disc.

1 Press TOP MENU.

The top menu is displayed.

2 Press ^/v/</> to select the desired title, then press ENT.

The title you selected starts to play.

Tip

If you want to make the top menu disappear on the way of operation, press TOP MENU.

Using the DVD menu

Some DVDs have more comprehensive menu that includes things such as the audio languages, subtitle languages, titles, and chapters, etc. The contents of DVD menus differ depending on the DVD. Read the instruction manual supplied with the disc.

1 Press MENU.

The DVD menu is displayed.

2 Press ^/v/</> to select the desired item, then press ENT.

If additional selection screens appear, repeat step 2.

Note

Some DVDs do not have a DVD menu and on some DVDs, the contents of the DVD menu and the top menu are the same.

Tip

If you want to make the DVD menu disappear on the way of operation, press MENU.

Changing the subtitle language

Some DVDs have recorded subtitles in one or more languages. You can turn the subtitles on or off, or change the subtitle language on such DVDs. This feature is beneficial to learn foreign languages.
You can change the subtitle languages by using the remote (☞ page 36).

Changing the audio language

Some DVDs have multiple audio languages you can choose from.
You can change the audio language by using the remote (☞ page 36).

Playing Video CD

During playback of a PBC compatible Video CD, you can display the PBC menu and select the item from the menu using the remote (☞ page 37).
To play without using PBC, press MENU. “PBC Off” appears on the screen and the player starts continuous play. To return to PBC playback, press MENU again.
You can set not to display the PBC menu (☞ page 46).

Searching for a title/ chapter/track directly

DVD VCD

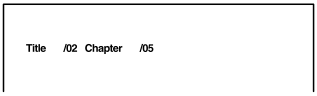
You can select a title, chapter, or track, by its number, or locate a scene by designating its playing time.

1 Press SEARCH on the remote to select the search item.

Search item	Screen display	Disc/Format compatible
Title/ Chapter search	Title 00/00 Chapter 00/00	DVD
Title time search	Title 00/00 Time 0:00:00	DVD
Chapter time search	Chapter 00/00 Time 0:00:00	DVD
Track search	Select Track: 00/00	VCD
Track time search	Track Go To: 00:00	VCD
Disc time search	Disc Go To: 00:00	VCD

Example: For a DVD having 2 titles recorded, select title 2, then chapter 3 from 5 chapters in the title.

1 Press SEARCH on the remote repeatedly to select [Title /02 Chapter /05].



2 Press <, then number buttons, 0, 2.
You can enter the chapter number.
- If you want to return to enter the title number, press <.

3 Press number buttons, 0, 3.
The item you selected starts to play.

Notes

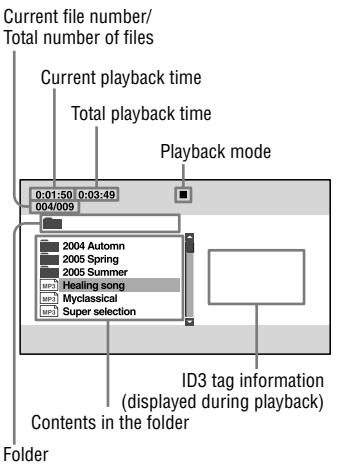
- You may not be able to select a title or chapter on some DVDs.
- You cannot use this function during PBC playback on Video CDs.

Playing Music

Read “Basic Playback Operations” (☞ page 23) beforehand.

Playing MP3 files

When the disc is read, a file list is displayed on the screen.



1 Press ^/v/</> to select the desired file.

- Press ^/v to browse up and down through the contents in the folder.
- Select a folder and press ENT to go inside the folder. (Pressing > will do the same.)
- Select the file or folder at the top of the list and press ENT to return to the parent folder. (Pressing < will do the same.)

2 Press ►II.

The file you selected starts to play. The ID3 tag information is displayed in the panel on the right side of the screen.

Tips

- To change the pages of the file list, press I◄◄ to move up, ►►I to move down, when the playback is stopped.
- This player supports versions 1.0 and 2.0 of ID3 tag information of MP3 files. The supported language is English.

Searching for a track/file directly CD MP3

You can select a track, or file, by its number, or locate a point by designating its playing time.

1 Press SEARCH on the remote to select the search item.

Search item	Screen display	Disc/Format compatible
Track search	Select Track: 00/00	CD
File search	000/000	MP3
Track time search	Track Go To: 00:00	CD
	0:00:00	MP3
Disc time search	Disc Go To: 00:00	CD

Example: For a music CD having 24 tracks recorded, select track 8.

1 Press SEARCH on the remote repeatedly to select [Select Track: /24].

2 Press number buttons, 0, 8.

- If you pressed the wrong number button, start over from step 1.

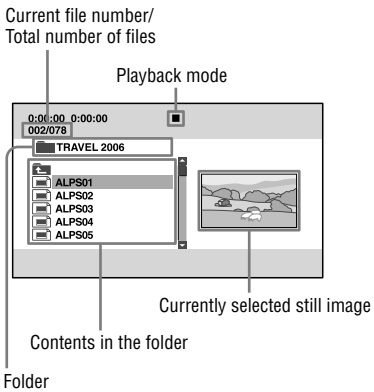
Viewing Still Images

JPEG

Read “Basic Playback Operations” (☞ page 23) beforehand.

Playing a slide show

When the disc is read, a file list is displayed on the screen.



1 Press ^/v/</> to select the desired file.

- Press ^/v to browse up and down through the contents in the folder.
- Select a folder and press ENT to go inside the folder. (Pressing > will do the same.)
- Select the file or folder at the top of the list and press ENT to return to the parent folder. (Pressing < will do the same.)

2 Press ►II.

The slide show starts. Still images are switched at intervals of 5 seconds.

Tips

- To change the pages of the file list, press I◄◄ to move up, ►►I to move down, when the playback is stopped.
- To return to the file list, press MENU.

To select the switching pattern

1 During the slide show, press PGM/P LIST on the remote repeatedly.

You can select one of following patterns.

Screen indication	Image is switched
Wipe Top	from the top to the bottom
Wipe Bottom	from the bottom to the top
Wipe Left	from the left to the right
Wipe Right	from the right to the left
Diagonal Wipe Left Top	from the top left to the bottom right
Diagonal Wipe Right Top	from the top right to the bottom left
Diagonal Wipe Left Bottom	from the bottom left to the top right
Diagonal Wipe Right Bottom	from the bottom right to the top left
Extend From Center H	The image is wiped off by the succeeding image that appears in the center, and expands from the center towards the top and the bottom.
Extend From Center V	The image is wiped off by the succeeding image that appears in the center, and expands from the center towards both sides.
Compress To Center H	The image is wiped off by the succeeding image that appears from the top and the bottom, and expands towards the center.
Compress To Center V	The image is wiped off by the succeeding image that appears from both sides, and expands towards the center.
Window H	The image is wiped off by the succeeding image in a pattern of horizontal stripes.

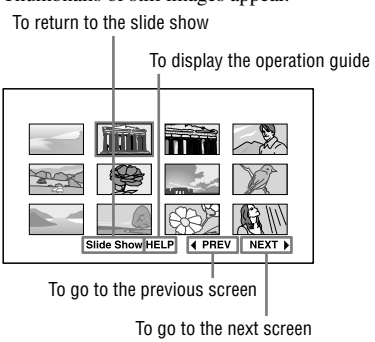
Continued

Screen indication	Image is switched
Window V	The image is wiped off by the succeeding image in a pattern of vertical stripes.
Wipe From Edge To Center	The image is wiped off by the succeeding image that appears from each edge of the screen.
Move In From Top	The image is wiped off by the succeeding image in a pattern of dots.
(No indication)	Simple slide show

To display thumbnails

1 During the slide show, press ■.

Thumbnails of still images appear.



2 Press ^/v/</> to select a still image, then press ENT.

The slide show starts from the selected still image.

Tip

To return to the file list, press MENU.

To rotate a still image

1 When the still image you want to rotate is displayed, press ^/v/</>.

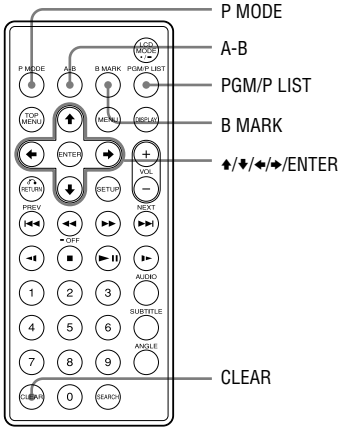
>: To rotate 90 degrees clockwise

<: To rotate 90 degrees counter-clockwise

^: To turn the image up-side-down

v: To reverse the image left to right

Various Playback



Playing repeatedly (Repeat Playback)

You can select an item to be played repeatedly.

1 Press P MODE on the remote repeatedly to select the repeating item.

Repeating item	Playback mode indication	Disc/ format compatible
All of the chapters/tracks on a disc	[ALL]	DVD VCD CD
Selected title	[TITLE]	DVD
Current chapter	[CHAPTER]	DVD
Selected track/file	[TRACK]	VCD CD MP3 JPEG

To play a folder repeatedly

MP3 JPEG

You can play all the files in a folder repeatedly.

1 Select the folder on the file list.

2 Press P MODE on the remote to select .

To return to normal playback

Press P MODE repeatedly until appears.

Playing a part of a chapter/track repeatedly (A-B Repeat Playback)

DVD VCD CD MP3

On DVDs, you can assign point A and point B on the different chapters.

1 During playback, press A-B on the remote where you want to start the repeat playback (point A).

↻A is displayed.

2 Press A-B where you want to stop the repeat playback (point B).

↻A-B is displayed.
The player returns to point A and starts to play.

To return to normal playback

Press A-B to turn off the ↻A-B indication.

Note

You cannot assign point A and point B on the different chapters during program playback (☞ page 33).

Playing in random order (Shuffle Playback)

CD MP3 JPEG

You can play all the tracks in a disc or all the files in a folder in random order.

1 Select the folder (for MP3 and JPEG only).

2 Press P MODE on the remote repeatedly until [SHUFFLE] appears.

To return to normal playback

Press P MODE repeatedly until the playback mode indication disappears.
For MP3 and JPEG files, press P MODE repeatedly until 🗀 appears.

Tip

You can repeat shuffle playback when playing an audio CD. Press P MODE on the remote repeatedly until [↻SHUFFLE] appears.

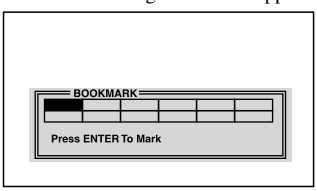
Playing your favorite points (Bookmark)

DVD VCD CD

While playing a disc, you can put bookmarks where you want to play later. You can put up to 12 bookmarks a disc.

1 During playback, press B MARK on the remote.

The bookmark register screen appears.



2 Press ↑/↓/←/→ to select a vacant box, then press ENTER.

The current point is registered.

3 To register other points, repeat step 2.

- To turn off the bookmark register screen, press B MARK.
- To delete a registered bookmark, select the bookmark using ↑/↓/←/→, then press CLEAR.

To play the registered points

1 Press B MARK to display the bookmark register screen.

2 Press ↑/↓/←/→ to select the bookmark you want to play, then press ▶II.
The playback starts from the selected point.

Note

When the disc compartment lid is opened or the power is turned off, the registered bookmarks are erased.

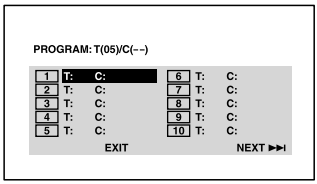
To create your own program (Program Playback)

DVD VCD CD

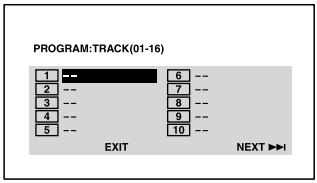
You can play the contents of a disc in the order you want by arranging the order of the titles, chapters, or tracks on the disc to create your own program. You can program up to 20 titles, chapters, and tracks.
As for an example, select chapter 12 in title 5 on a DVD.

1 Press PGM/P LIST on the remote until [PROGRAM] appears.

DVD program register screen

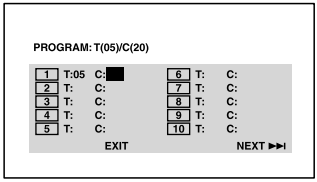


Video VCD/CD program register screen



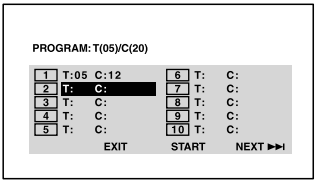
2 Press the number buttons, 0, 5.

- If you press a wrong number button, press CLEAR followed by a correct number button.



Continued

3 Press the number buttons, 1, 2.



4 Repeat steps 2 and 3 to register other titles/chapters.

- Press ►►I to display the next page, and I◄◄ to display the previous page.

5 Press ↑/↓/←/→ to select [START], then press ENTER.

The program playback starts.

To repeat the program playback

After step 5, press P MODE on the remote repeatedly until [↻PROGRAM] appears.

To return to normal playback

During program playback, display the program register screen, select [CANCEL] using ↑/↓/←/→, then press ENTER.

To change the program contents

1 On the program register screen, select the number you want to change using ↑/↓/←/→.

2 Press the correct number buttons.

To delete the program contents

1 On the program register screen, select the number you want to delete using ↑/↓/←/→.

2 Press CLEAR.

Notes

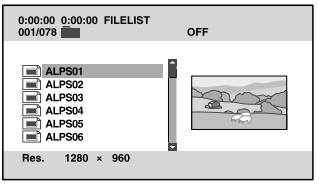
- When the disc compartment lid is opened or the power is turned off, the programmed contents are erased.
- During program playback, you cannot change nor delete the programmed contents.
- During program playback, you cannot display the top menu and the DVD menu.

To play the files of the same kind (File List Playback)

MP3 JPEG

The player selects and plays the files having the same extension.

1 Press PGM/P LIST on the remote to display the file list screen, when the playback is stopped.



2 Press ↑/↓ to select a file, then press ENTER.

All the files having the same extension as that of the selected file are played in the order displayed on the screen.

To play the files in the file list in random order

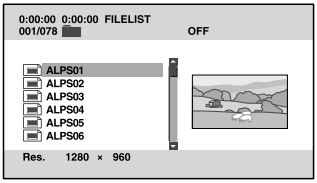
Press P MODE repeatedly until [SHUFFLE] appears.

To create your own playlist (Playlist Playback)

MP3 JPEG

You can play the contents of a disc in the order you want by arranging the order of the files on the disc to create your own playlist. A playlist can contain up to 100 files of MP3 and JPEG mixed.

1 Press PGM/P LIST on the remote to display the file list screen, when the playback is stopped.



2 Press ↑/↓ to select a file, then press B MARK on the remote.

3 Repeat step 2 to select other files.

Files are added in the playlist in the order as they are selected.

- Press ▶▶| to display the next page, and |◀◀ to display the previous page.

To play the playlist

1 Press PGM/P LIST on the remote to display the playlist screen.
2 Press ENTER.

To play the files in the playlist in random order

Press P MODE repeatedly until [SHUFFLE] appears.

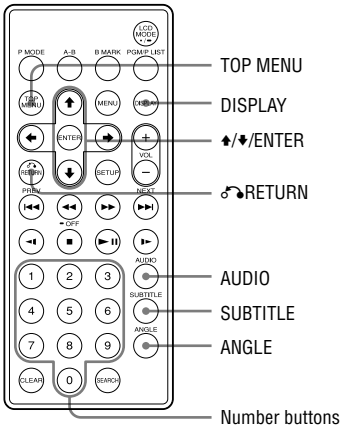
To delete files from a playlist

On the playlist screen, select a file you want to delete using ↑/↓, then press B MARK.

Note

When the disc compartment lid is opened or the power is turned off, the playlist is erased.

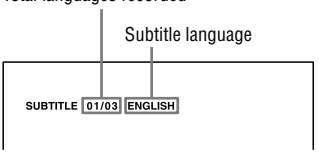
Convenient Operation Using the Remote



Changing the subtitle language DVD

1 During playback, press SUBTITLE repeatedly to select a language.

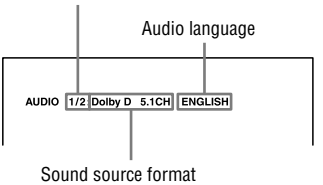
Recorded order of the language/
Total languages recorded



Changing the audio language DVD

1 During playback, press AUDIO repeatedly to select a language.

Recorded order of the audio/
Total audio recorded

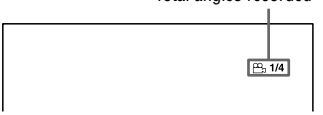


Changing angles DVD

You can select angles if the DVD have multiple alternative angles recorded for the same scene. appears at the scene.

1 During playback, press ANGLE.

Current angle number/
Total angles recorded



2 Press ANGLE repeatedly to select the angle.

Tip

You can input the angle number using the number buttons to select the angle.

Changing the audio output VCD CD

You can select stereo or monaural.

1 During playback, press AUDIO repeatedly to select the desired audio output from [STEREO], [L-MONO], [R-MONO], or [MIX-MONO].

Using PBC (Playback control) function VCD

During playback of a PBC compatible Video CD, you can display the PBC menu and select the item from the menu. The PBC menu differ depending on the disc. Read the instruction manual supplied with the disc.

1 Start playing a Video CD with PBC functions.

2 Press the number buttons to select the number of the desired item.

3 Follow the instructions in the menu for interactive operations.

- To return to the previous screen, press TOP MENU or ↩RETURN.

Displaying the operation information

You can display the current playback item, elapsed time of the disc, the battery remaining, and so on.

1 During playback, press DISPLAY on the remote.

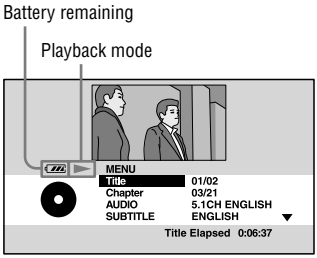
To turn off the display

Press DISPLAY.

Displaying DVD/Video CD information

DVD display

Press ↓ to scroll the items into the screen.



Following items are available.

- Current title number/Total number of titles
- Current chapter number/Total number of chapters
- Audio language
- Subtitle language
- Current angle number/Total number of angles
- Title playback time
- Chapter playback time
- Repeat playback mode
- Elapsed time/Remaining time
- Current time*

* Current time does not appear when [CLOCK] is set to [OFF] in the Setup menu (☞ page 21).

Video CD display

Press ↓ to scroll the items into the screen.

Following items are available.

- Current track number/Total number of tracks
- Disc playback time
- Track playback time
- Repeat playback mode
- Elapsed time/Remaining time
- Current time*

* Current time does not appear when [CLOCK] is set to [OFF] in the Setup menu (☞ page 21).

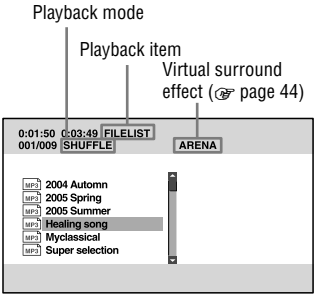
Displaying CD information

Current track number/total number of tracks, and current playback time of the track appear on the top of the screen.
The following items are displayed sequentially when you press DISPLAY repeatedly.

- Track elapsed time
- Track remaining time
- Disc elapsed time
- Disc remaining time

Displaying MP3 information

Pressing DISPLAY switches the following information display and the playback mode display (☞ page 28).



Tip DVD VCD

You can make settings on the information display of DVD/Video CD.

1 On the information display, press ↑/↓ to select the item you want to change, then press ENTER.
2 Select the item or setting using ↑/↓, or change the number using the number buttons on the remote.

Following items can be set:

DVD

- Title number (to select a title)
- Chapter number (to select a chapter)
- Audio language (to select a language)
- Subtitle language (to select a language)
- Angle (to select an angle)
- Title playback time (to search the point to be played)
- Chapter playback time (to search the point to be played)
- Repeat playback mode
- Time displayed (title elapsed, title remained, chapter elapsed, or chapter remained)

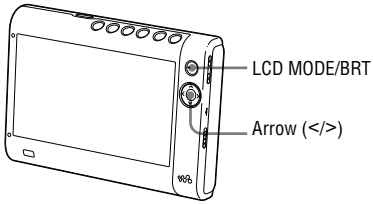
VCD

- Track number (to select a track)
- Track playback time (to search the point to be played)
- Repeat playback mode
- Time displayed (track elapsed, or track remained)

Notes

- You cannot make settings on the information display of CD and MP3.
- You cannot display the information display during Program playback of DVD/Video CD.

Adjusting the Screen



Changing the aspect ratio

1 Press LCD MODE/BRT.

Each time you press LCD MODE/BRT, the screen type changes 16:9 → 4:3 → screen off.

Tip

When you listen to music, you can save the battery power by turning the screen off.

Adjusting the picture quality

You can adjust [BRIGHTNESS], [CONTRAST] and [HUE] of the screen.

1 Keep LCD MODE/BRT pressed until [BRIGHTNESS] appears.

2 Press LCD MODE/BRT repeatedly to select the item you want to adjust.

Each time you press LCD MODE/BRT, the adjustment item changes in the order of [BRIGHTNESS] → [CONTRAST] → [HUE].

3 Adjust the items using </>.

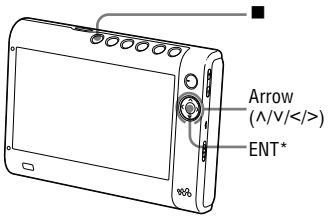
Item	<	>
BRIGHT-NESS	to darken	to brighten
CONTRAST	to soften	to sharpen
HUE	to make reddish	to make greenish

Tip

The adjustment screen disappears after a few seconds. If you want to turn it off at once, keep LCD MODE/BRT pressed.

Using the Setup Menu

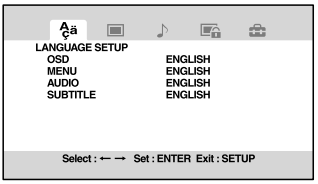
You can customize the languages, audio features, and so on of the player using the Setup menu.



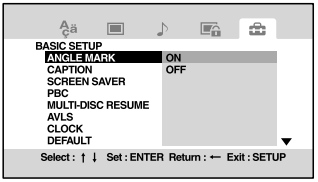
* The ENT button works to turn on/off the Setup menu, and to enter the selection while operating the Setup menu.

1 **Keep ■ pressed to turn on the player.**

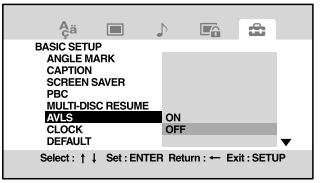
2 **Keep ENT pressed until the Setup menu appears.**



3 **Press </> to select the setup page, then press ENT.**



4 **Press ∧/∨ to select the setup item, then press ENT.**



5 **Press ∧/∨ to select the option, then press ENT.**

The selected option is applied to the player.

- To return to the previous screen, press <.

6 **Keep ENT pressed to exit the Setup menu operation.**

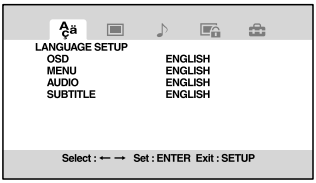
Tip

When using the remote, press SETUP to display the Setup menu.
Operate the Setup menu using ↑/↓/←/→/ENTER, then press SETUP to exit the Setup menu operation.

List of the setup items

Setup page	Setup items
Aä Çä (LANGUAGE SETUP) ☞ page 41	OSD MENU AUDIO SUBTITLE
(SCREEN SETUP) ☞ page 42	TV TYPE COLOR SYSTEM
♪ (AUDIO SETUP) ☞ page 43	DOWNMIX DIGITAL OUT SETUP AUDIO DRC EQUALIZER VIRTUAL SURROUND
(PARENTAL CONTROL SETUP) ☞ page 45	CONTROL PASSWORD LEVEL
(BASIC SETUP) ☞ page 46	ANGLE MARK CAPTION SCREEN SAVER PBC MULTI-DISC RESUME AVLS CLOCK DEFAULT VERSION

Setting the Languages (LANGUAGE SETUP)



Items	Options
OSD	Select the language for the on-screen display from 11 different languages (☞ page 21).
MENU	Select the language prioritized for the disc menu.
AUDIO	Select the audio language prioritized from the multiple audio languages recorded on the disc.
SUBTITLE	Select the subtitle language prioritized from the multiple subtitle languages recorded on the disc. To turn off the subtitle, select [OFF].

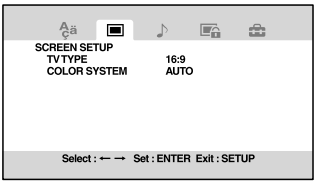
Tip

When you select [OTHERS] in [MENU], [AUDIO], or [SUBTITLE], input the language code corresponding to the desired language (Language Code List ☞ page 56). The selected 4-digit language code will be displayed from the next time.

Notes

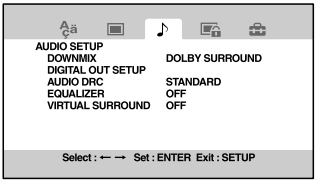
- You cannot set [MENU], [AUDIO], and [SUBTITLE] during playback.
- Another language may be selected irrespective of your setting, depending on the DVDs.
- Selecting languages may be prohibited even if there are multiple audio languages are recorded, depending on the DVDs.

Setting the Video Output (SCREEN SETUP)



Items	Options (●: Default settings)	
TV TYPE	When you connect the player to a TV and watch the picture on TV screen, make this setting according to the type of the TV screen.	
	● 16:9	Select this when you connect a wide-screen TV or a TV with a wide mode function.
	4:3 LETTER BOX	Select this when you connect a 4:3 screen TV. The wide picture with the bands on the upper and lower portions of the screen will be displayed.
	4:3 PAN SCAN	Select this when you connect a 4:3 screen TV. The wide picture will be automatically displayed on the entire screen and the portions on the sides that do not fit will be cut off.
COLOR SYSTEM	When you connect the player to a TV to watch the picture on TV screen, make this setting according to the color system of your TV. The default setting depends on where you purchase the player.	
	AUTO	Outputs the original color system of the disc.
	NTSC	Always outputs the NTSC signal.
	PAL	Always outputs the PAL signal.

Setting the Audio Output (AUDIO SETUP)

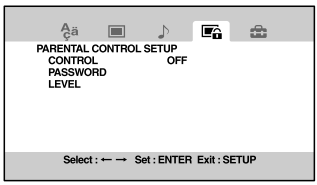


Items	Options (●: Default settings)		
DOWNMIX	Use this function to create stereo (2-channel) signals from Dolby Digital sources recorded on DVDs. This setting affects the outputs of the AUDIO jack.		
	● DOLBY SURROUND	Select this when the connected audio component supports Dolby Surround (Pro Logic).	
	NORMAL	Select this when the connected audio component does not support Dolby Surround (Pro Logic).	
DIGITAL OUT SETUP	You can set the mode of the digital signals output from the OPTICAL OUT jack.		
	DOLBY DIGITAL	DOLBY DIGITAL	Select this when connecting an audio component with a built-in Dolby Digital decoder.
		● DOWNMIX PCM	Select this when connecting an audio component without a built-in Dolby Digital decoder.
	DTS	DTS	Select this when connecting an audio component with a built-in DTS decoder.
		● PCM	Select this when connecting an audio component without a built-in DTS decoder.
	48kHz/96kHz PCM	● 48kHz	Select this when the PCM signal is output at 48 kHz.
		96kHz	Select this when the PCM signal is output at 96 kHz.
AUDIO DRC	Makes the sound clear when the volume is turned down when playing a DVD that conforms to “Audio DRC” (Dynamic Range Control). (Thanks to the dynamic range compression, the volume of quiet sound is maintained.) Select the level to your convenience. This setting affects the outputs of the AUDIO jack.		
	● STANDARD	Standard setting.	
	WIDE RANGE	Produces powerful sound. More effective with high quality speakers.	

Continued

Items	Options (●: Default settings)	
EQUALIZER	You can set the sound quality from the headphones or the cradle speakers.	
	● OFF	Normal sound quality.
	SOFT	Select this for vocal, stressing middle range audio.
	ACTIVE	Select this to produce lively sounds, emphasizing high and low range audio.
	HEAVY	Select this to produce powerful sounds, further emphasizing high and low ranges compared with [ACTIVE] sound.
	MEGA BASS1	Select this to emphasize bass sounds.
	MEGA BASS2	Select this to emphasize bass sounds more than [MEGABASS1].
VIRTUAL SURROUND	You can select the surround effects from the headphones or the cradle speakers.	
	● OFF	No surround effects.
	LIVE	Select this to produce the surround effects of a club with live music.
	HALL	Select this to produce the surround effects of a theater or concert hall.
	ARENA	Select this to produce the surround effects of an arena.

Setting the Parental Control (PARENTAL CONTROL SETUP)



Some DVDs have the parental control function recorded. Playback of these DVDs can be limited according to the predetermined level on the player. Set the password required to change the limitation level so that only the person who knows the password can change the limitation level.
The parental control function is deactivated in the default setting.

To select the parental control mode

1. Select [CONTROL], then press ENTER.
2. Select [ON], then press ENTER.
   - To deactivate the parental control function, select [OFF].
3. Input the password using the number buttons, then press ENTER.
   See "To set the password" below.

To set the password

1. Select [PASSWORD], then press ENTER.
2. Press ENTER again.
3. Input 2580 using the number button.
   You will be able to set your own password.
4. Create your own password in 4 digits using the number buttons.
5. Input the same number for confirmation.

Tip

To change the current password, input the same password in step 3.

Note

If you forgot your password, input 2580. This will clear your previous password.

To set the limitation level

1. Select [LEVEL], then press ENTER.
2. If the limitation level has been already set, input the password.
3. Select a parental control level, then press ENTER.
   The lower the value, the more strict the limitation.

Note

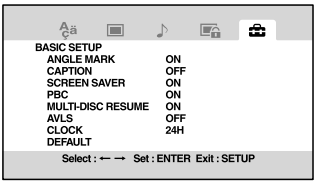
You cannot set the limitation level during playback.

Parental control level

This player conforms to the MPAA (Motion Picture Association of America) rating system. Refer to the following table for the MPAA level predetermined on this player. If you set this player to level "4" for example, DVDs with levels "5," "6," "7," and "8" cannot be played.

Level	MPAA Rating System
1	"G": General audience
2	–
3	"PG": Parental guidance suggested
4	"PG-13": Parents strongly cautioned
5	–
6	"R": Restricted
7	"NC-17": No one 17 and under admitted
8	No restriction

Setting the Player (BASIC SETUP)

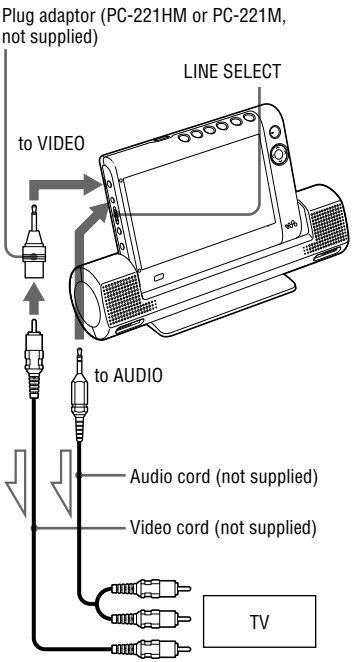


Items	Options (●: Default settings)	
ANGLE MARK	If various angles (multi-angles) for a scene are recorded on the DVD and you have set this item to [ON], the mark appears at the scene.	
	● ON	The mark will appear at the scene.
	OFF	The mark will not appear at the scene.
CAPTION	Some discs have hidden captions of speech and narration recorded. The captions will be displayed when a closed caption decoder or a component with a built-in closed caption decoder is connected. Refer to the operating manual supplied with the closed caption decoder or the component with a built-in closed caption decoder.	
	ON	The caption will be displayed on the screen.
	● OFF	The caption will not be displayed on the screen.
SCREEN SAVER	If you set the item to [ON], the screen saver image appears when you leave the player in pause mode for more than 3 minutes. In case of CD and MP3, however, the screen saver image appears after 3 minutes even during playback. The screen saver will prevent the monitor from damage.	
	● ON	Turns on the screen saver.
	OFF	Turns off the screen saver.
PBC	You can make the PBC menu of Video CDs not to appear on the screen.	
	● ON	The PBC menu will appear when Video CDs are read.
	OFF	The PBC menu will not appear when Video CDs are read.
MULTI-DISC RESUME	The player memorizes where the playback of the disc has been stopped. When the same disc is loaded, the player resumes playback from the point. The player memorizes up to 5 discs in terms of DVD, 12 discs in terms of Video CD, or 30 discs in terms of CD. When more discs are played, the memories of the oldest discs played are replaced by new ones.	
	● ON	Resumes playback of the discs.
	OFF	Starts playback from the beginning of the discs.
AVLS	Automatic Volume Limiter System. If you set the item to [ON], the maximum volume is limited to prevent a sound leak or protect your hearing.	
	ON	Limits the maximum volume.
	● OFF	Changes the volumes to the volume control.
CLOCK	☞ page 21.	
DEFAULT	You can reset all settings and adjustments except for the parental control setting to the factory settings. You cannot change the setting during playback.	
VERSION	Displays the firmware version.	

Watching on a TV

The pictures played on the player will be watched on a TV by connecting the player and the TV as shown below. You need a plug adaptor to connect the VIDEO jack. Refer to the operating manual supplied with the TV connected.

1 Connect the TV.



2 Set the LINE SELECT switch to OUT.

To set the picture size to the TV screen

The picture size is set to 16:9 in the default setting. If the TV screen is 4:3, select the setting in [TV TYPE] under [SCREEN SETUP] (☞ page 42).

To set the color system to the TV screen

Select the appropriate setting in [COLOR SYSTEM] under [SCREEN SETUP] (☞ page 42).

Note

The Setup menu screens or characters on the screen may look compressed in the vertical direction when the video cord is connected when:

- [COLOR SYSTEM] is set to [PAL].
- [COLOR SYSTEM] is set to [AUTO], and playing a PAL system disc.

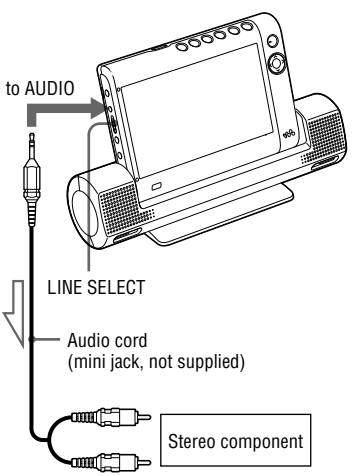
This does not indicate a malfunction of the player.

Listening from an Audio Component

By connecting an audio component having built-in Dolby Digital decoder or DTS decoder using an optical digital cord, you can enjoy the disc recorded in Dolby Digital or DTS sound with surround effects. Set the [AUDIO SETUP] items according to the audio component connected (☞ page 43). Refer to the operating manual supplied with the component connected.

Using an audio cord

1 Connect an audio component.



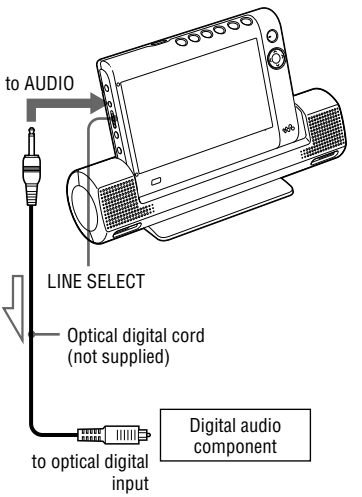
2 Set the LINE SELECT switch to OUT.

Tip

When the audio component supports Dolby Surround (Pro Logic), select [DOLBY SURROUND] in [DOWNMIX] under [AUDIO SETUP]. Otherwise, select [NORMAL] (☞ page 43).

Using an optical digital cord

1 Connect a digital audio component.



2 Set the LINE SELECT switch to OUT.

Tips

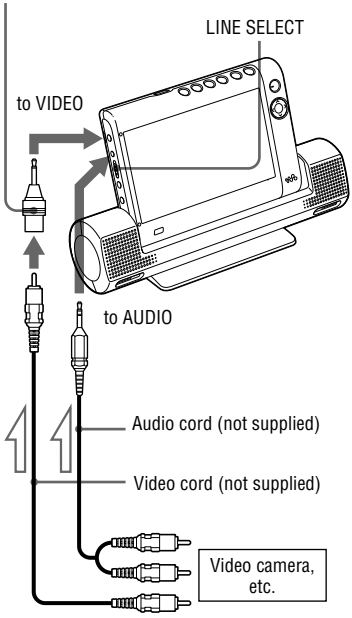
- When the audio component supports Dolby Surround (Pro Logic), select [DOLBY SURROUND] in [DOWNMIX] under [AUDIO SETUP]. Otherwise, select [NORMAL] (☞ page 43).
- When connecting an amplifier having a built-in Dolby Digital decoder, select [DOLBY DIGITAL] in [DOLBY DIGITAL] in [DIGITAL OUT SETUP] under [AUDIO SETUP] (☞ page 43).
- When connecting an amplifier having a built-in DTS decoder, select [DTS] in [DTS] in [DIGITAL OUT SETUP] under [AUDIO SETUP] (☞ page 43).

Viewing Pictures Played on Other Components

You can input pictures from other video components and view them on the player. You need a plug adaptor to connect the VIDEO jack. Refer to the operating manual supplied with the component connected.

1 Connect the video component.

Plug adaptor (PC-221HM or PC-221M, not supplied)



2 Set the LINE SELECT switch to IN.

Notes

- If the pictures appear irregularly, press ENT to switch the color system (PAL or NTSC) of the player to that of the external signal.
- The characters on the screen may look compressed in the vertical direction when the video cord is connected when:
  - [COLOR SYSTEM] is set to [PAL].
  - [COLOR SYSTEM] is set to [AUTO], and playing a PAL system disc.

  This does not indicate a malfunction of the player.

Troubleshooting

Should any problem persist after you have checked these symptoms, consult your nearest Sony dealer.

Power

Symptom	Cause and/or corrective action
The rechargeable battery cannot be charged.	→ The disc is playing. Stop playback (☞ page 24).
The player does not turn on or off.	→ Keep ■ pressed (☞ page 16). → You cannot turn on the player on the remote when using the player on the battery.

Playback

Symptom	Cause and/or corrective action
Playback does not start. [No Disc] or [Unknown Disc] appears even when there is a disc in the player.	→ Place the disc with the playback side facing down (☞ page 23). → The file is not recorded in the disc/format which this player can play (☞ page 9). → Nothing is recorded on the disc. → The region code of the DVD does not conform to the player (☞ page 9). → This player cannot play the DVDs unless they are finalized correctly (☞ page 9). → This player may not play the discs depending on the condition of the disc or recorder used for recording (☞ page 9). → Dirty disc. Clean the disc (☞ page 14). → Defective disc. → Plug the AC power adaptor securely to the wall outlet (☞ page 21). → Moisture condensation has occurred. Remove the disc and leave the player for a few hours (☞ page 6).
When a button is pressed, lamp flashes and playback does not start.	→ The HOLD function is activated. Slide the HOLD switch in the direction opposite to that of the arrow (☞ page 25).
The player does not play from the beginning.	→ The resume playback function is activated. To start playback from the beginning, press ■ during playback stop (☞ page 24).
Playback stops automatically.	→ The rechargeable battery is used up completely. Charge the battery (☞ page 19). → The disc may contain an auto pause signal. While playing such a disc, this player stops playback at the signal. → If you disconnect the AC power adapter plug or the speaker cradle during playback when using the player on the AC power adaptor, the playback stops and the power is turned off (☞ page 21, 24).

Symptom	Cause and/or corrective action
You cannot perform certain functions, such as Stop or Search Playback.	→ With some discs, you cannot activate these functions.
The language for the title/chapter cannot be changed when you play a DVD.	→ Multilingual titles are not recorded on the DVD. → Changing the language for the title is prohibited on the DVD.
The subtitle language cannot be changed when you play a DVD.	→ Multilingual subtitles are not recorded on the DVD. → Changing the language for the subtitle is prohibited on the DVD.
The subtitle cannot be turned off when you play a DVD.	→ Depending on the DVD, you may not be able to turn the subtitle off.
The angles cannot be changed when you play a DVD.	→ Change the angles at a scene recorded with multiple angles (☞ page 36). → Multi-angles are not recorded on the DVD. → Changing the angles is prohibited on the DVD.

Movies/Still images

Symptom	Cause and/or corrective action
There is no picture.	→ Set the LINE SELECT switch to OUT (☞ page 23).
Picture noise appears.	→ Dirty or defective disc. → The player is used in the place subject to severe vibration.
The aspect ratio of the picture is incorrect.	→ Press LCD MODE/BRT repeatedly to select the correct aspect ratio (☞ page 39).
The picture is not displayed in the ratio selected in [TV TYPE].	→ The aspect ratio is fixed to either letterbox or panscan on the disc.
JPEG files cannot be displayed. JPEG files are not displayed correctly.	→ The file extension ".jpg" is not added to the file name (☞ page 11). → Files are not stored in JPEG format.
JPEG files take longer to play back than others.	→ The following discs take a longer time to start playback. – a disc recorded with a complicated tree structure. – a disc to which data can be added.
Some stationary green, blue or red dots may appear on the screen.	→ These are called bright dots, and can happen with any LCD. The LCD panel is highly sophisticated, and more than 99.99% of the segments used in the panel are flawless. However, there is a possibility that less than 0.01% of the segments is defective and may not light up properly.

Continued

Sound

Symptom	Cause and/or corrective action
There is no sound from the headphones.	→ Connect the headphones plug firmly. → The plug is dirty. Clean the headphones plug with a dry soft cloth periodically.
The volume cannot be adjusted.	→ [AVLS] is set to [ON]. Set it to [OFF] (☞ page 46).
MP3 files cannot be played back.	→ Recording was not performed according to the ISO 9660 level 1 or level 2 format, or the Joliet convention in the expansion format. → The extension ".mp3" is not added to the file name (☞ page 10). → Files are not stored in MP3 format.
MP3 files take longer to play back than others.	→ The following discs take a longer time to start playback. – a disc recorded with a complicated tree structure. – a disc to which data can be added.
The sound skips.	→ Dirty or defective disc. → The player is used in the place subject to severe vibration.
No sound is heard from the cradle speakers.	→ Headphones are connected to the player.

Operation

Symptom	Cause and/or corrective action
The remote does not function.	→ Remove any obstacles between the remote and this player. → Use the remote closer to the remote control sensor. → Replace the battery in the remote if it is weak (☞ page 18).
The disc starts rotating when the disc compartment lid is closed.	→ The player is reading the information on the disc, not malfunctioning.
You cannot operate the player. The disc does not stop rotating.	→ Press RESET using a pointed object (☞ page 16).

Connection

Symptom	Cause and/or corrective action
No picture appears on the TV connected.	→ Set the LINE SELECT switch to OUT. → Color system setting is not correct for the TV. Set [COLOR SYSTEM] according to the color system of the TV (☞ page 42). → Check the input/output setting on the TV.
The picture from the connected component does not appear on the screen of this player.	→ Set the LINE SELECT switch to IN.
The picture from the connected component appears irregularly.	→ Press ENT to switch the color system of the player to that of the external signal (☞ page 50).
No sound or distorted sound is heard from the audio component connected.	→ Set [DOWNMIX] or [DIGITAL OUT SETUP] according to the component connected (☞ page 43).

Error displays

Display	Cause and/or corrective action
HI DC IN	→ An AC power adaptor which is rated higher than the one supplied or recommended is being used. Use only the supplied AC power adaptor.
LOW BATTERY	→ The rechargeable battery is used up completely. Charge the battery (☞ page 19).
Wrong Region	→ The region code of the DVD currently in the player does not conform to the player (☞ page 9).
⃠	→ The operation cannot be done with the disc.

Disposing of the Player

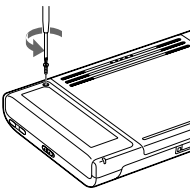
This player has a built-in Lithium-Ion battery. Be sure to dispose of the battery properly.

Certain countries may regulate disposal of the battery used to power this product.
Please consult with your local authority.

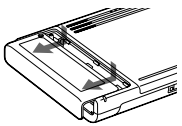
Notes

- Never disassemble the player except when disposing of it.
- Be careful when handling internal metallic components of the player. Pay particular attention to component edges.

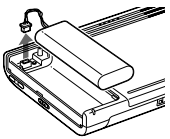
1 Remove the screw using a Phillips screwdriver.



2 Remove the cover.



3 Disconnect the battery.



Specifications

Laser diode properties

Emission duration: Continuous
Maximum laser output:
CD: Less than 0.58 mW
DVD: Less than 0.39 mW
(This output is the value measured at a distance of 100 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

LCD screen

- Type/Picture size (H × V, diagonal)
  7V wide screen/15.4 × 8.7, 17.7 cm
- System
  High-definition color LCD
- Drive system
  TFT-LCD active matrix system
- Picture segment
  112,320 pixels, 480 (H) × 3 (RGB) × 234 (V) dots

Signal format system

PAL/NTSC

Frequency response

20 Hz - 20 kHz (+1/-2 dB)*

Wow and flutter

Below measurable limits (±0.001 % W PEAK)*

Input/output jacks

- VIDEO (video input/output)
  Minijack (1)
  Output 1.0 Vp-p at 75 Ω
- AUDIO (audio input/output)/OPTICAL OUT (optical output)
  Stereo minijack/optical minijack combined (1)
  Output 0.7 Vrms at 47 kΩ
  Recommended load impedance over 10 kΩ
- PHONES (headphones) A/B
  Stereo minijack (2)
  Maximum output
  Approx. 20 mW + 20 mW
  Recommended load impedance 16 Ω
- Speaker cradle terminal

* Measured by JEITA (Japan Electronics and Information Technology Industries Association)

Power requirements

- Rechargeable battery (built-in)
  Lithium-ion
- External power supply DC 12 V
  The AC power adaptor (supplied) should be used on AC 100 - 240 V.

Power consumption

7 W

Operating temperature

5°C - 35°C (41°F - 95°F)

Dimensions (w/h/d) (excluding projecting parts)

Approx. 193.4 × 136 × 27.9 mm
(7 5/8 × 5 3/8 × 1 1/8 in.)

Dimensions (w/h/d)*

Approx. 193.7 × 136.3 ×32.7 mm
(7 3/4 × 5 3/8 × 1 5/16 in.)

Mass (excluding accessories)

Approx. 775 g (1 lbs 12 oz.)*

Speaker cradle

Speakers

Maximum output
Approx. 450 mW + 450 mW

Power requirements

External power supply DC 12 V

The AC power adaptor (supplied) should be used on AC 100 - 240 V

Dimensions (w/h/d)*

Approx. 286 × 101 × 92 mm
(11 3/8 × 4 × 3 5/8 in.)

Mass

Approx. 270 g (9.6 oz.)*

* Measured by JEITA (Japan Electronics and Information Technology Industries Association)

MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.

Design and specifications are subject to change without notice.

Optional Accessories

Active speaker system	SRS-Z510
Earphones (except for the customers in France)	MDR-DS6000 MDR-XD200
Earphones (for the customers in France)	MDR-E708LP
Audio connecting cord	RK-G129 RK-G136
Video connecting cord	VMC-30
Plug adaptor	PC-221HM PC-221M

Your dealer may not handle some of the accessories listed above. Please ask the dealer for detailed information about the accessories in your country/region.

Language Code List

The language spellings conform to the ISO 639: 1988 (E/F) standard.

Code	Language	Code	Language	Code	Language	Code	Language
6565	Afar	7089	Frisian	7771	Malagasy	8382	Serbian
6566	Abkhazian	7165	Irish	7773	Maori	8385	Sundanese
6570	Afrikaans	7168	Scots/Gaelic	7775	Macedonian	8386	Swedish
6577	Amharic	7176	Gallcian	7776	Malayalam	8387	Swahili
6582	Arabic	7178	Guarani	7778	Mongolian	8465	Tamil
6583	Assamese	7185	Gujarati	7779	Moldavian	8469	Tegule
6588	Aymara	7265	Hausa	7782	Marathi	8471	Tajik
6590	Azerbaijani	7273	Hindi	7783	Malay	8472	Thai
6665	Bashkir	7282	Croatian	7784	Maltese	8473	Tigrinya
6669	Byelorussian	7285	Hungarian	7789	Burmese	8475	Turkmen
6671	Bulgarian	7289	Armenian	7865	Nauru	8476	Tagalog
6672	Bislama	7365	Interlingua	7869	Nepali	8479	Tonga
6678	Bengali	7378	Indonesian	7876	Dutch	8482	Turkish
6679	Tibetan	7383	Icelandic	7879	Norwegian	8484	Tatar
6682	Breton	7384	Italian	7982	Oriya	8487	Twi
6765	Catalan	7387	Hebrew	8065	Punjabi	8575	Ukrainian
6779	Corsican	7465	Japanese	8076	Polish	8582	Urdu
6783	Czech	7473	Yiddish	8083	Pushto/Pashto	8590	Uzbek
6789	Welsh	7487	Javanese	8084	Portuguese	8673	Vietnamese
6865	Danish	7565	Georgian	8185	Quechua	8679	Volapük
6869	German	7575	Kazakh	8277	Raeto-Romance	8779	Wolof
6890	Bhutani	7576	Greenlandic	8279	Romanian	8872	Xhosa
6976	Greek	7577	Cambodian	8285	Russian	8979	Yoruba
6978	English	7578	Kannada	8365	Kinyarwanda	9072	Chinese
6979	Esperanto	7579	Korean	8368	Sanskrit	9085	Zulu
6983	Spanish	7583	Kashmiri	8372	Serbo-Croatian		
6984	Estonian	7585	Kurdish	8373	Sinhalese		
6985	Basque	7589	Kirghiz	8375	Slovak		
7065	Persian	7665	Latin	8376	Slovenian		
7073	Finnish	7678	Lingala	8377	Samoan		
7074	Fijian	7679	Laotian	8378	Shona		
7079	Faroese	7684	Lithuanian	8379	Somali		
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